

Burners, Tanks, & Instruments



- Power, Performance, Reliability



The Choice of Experienced Pilots

Burners

No other element of ballooning has seen more development in the last four decades than the fuel system. We are proud to have led the way by developing the first monobloc burner - the Mk. IV Super, the first purpose-built titanium tanks, and the revolutionary Sirocco™ Burner. We're prouder still that pilots like you have come to trust this equipment day after day to perform flawlessly in all kinds of flying conditions. Perhaps that's why we have the reputation of being the choice of experienced pilots.

Years of developing and refining hot air balloon burners has led to the finest range of burners available today. From the Ultra™ single to the Safire™ quad, Cameron burners give you ultimate performance.

Power

Cameron burners have the highest power over the widest range of flying temperatures and flying altitudes, giving you more control, more options for landing, and a wider range of useful flying days. Power allows you the fun of swooping - diving for the surface of a lake, for example, and heating at about tree-top level, knowing your burner has the power to stop a wet reception. It's power that allows you to play with the air.

Performance

Ergonomics - integrating the machine with the pilot, making the machine obey your every command. It means putting the controls where they are easily accessed. It means identifying controls - by color or feel - so you can instantly know what response to expect. It means protecting controls so they are not accidentally turned on or off, or damaged during ground handling and transport. There's Cameron's wide-angle gimbal which lets you easily inflate your balloon - with no one holding the mouth. That means fewer crew needed and fewer problems with melt damage, even when the envelope is rolling around in a breezy inflation. There's more: Cameron's pneumatic adjustable-height burner frames are built for comfort and safety: a seven-inch adjustable range means whatever your height, you can reach all the controls without strain.



A balloon for odd couples calls for an adjustable-height burner frame so you can switch pilots - and heights - in flight

Reliability

What makes a good burner great is reliability. Cameron burners are famously rugged, with strong stainless steel burner frames that withstand even the most serious tether forces, durable fuel hoses and fittings, and the beautiful, precision-machined monobloc - the point where it all comes together, where you have complete control over how the burner will preform. These burners can withstand all sorts of "abuse" and give you comfort in flight. A tighter flame-pattern means lower radiant heat - something your passengers will appreciate as much as you do.

The Cameron burner is an integrated system, easy to assemble, and requiring no tools. Add to this the built-in rugged piezo ignition system - which means even more reliability. Yet the careful details are here too: the ignitor is protected from accidental ignition, such as during refueling.

Ease of Use

Cameron's optional EasyUp™ burner is a breeze to install, easy to handle on the ground, and eliminates lifting above waist level. And with EasyUp™, one-person assembly is...easy.

EasyUp™, Cameron's burner that separates from the frame, allows complete burner and upright assembly without lifting any weight above waist level



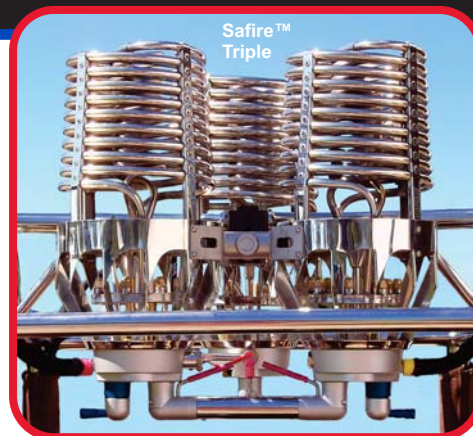
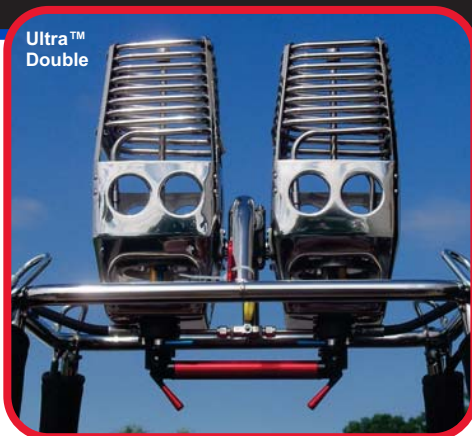
The articulated joint at each corner of the burner frame not only absorbs shock and torque on landing, it makes assembly of the burner easier, too



Ultra™ Double. Two separate, fully redundant burners joined by our CrossFlow™ valve and the point-and-shoot UltraGrip™ handle. CrossFlow™ permits one-handed operation of both burners from either fuel system.

Stratus™ Quad. Well proven, ergonomic, low condensation, 'work-horse' burner.

Safire™ Triple. More power than a conventional quad-burner. High power, simplicity, lower cost. Quite possibly the perfect ride-burner.



Ultra™

The Ultra™ was developed from the legendary MK IV Super burner which has delivered flawless performance for decades. The Ultra™ has a conventional jetted design but offers impressive performance. The Ultra™ is the work-horse of the Cameron burner family that offers all the familiar Cameron burner features and is available in single, double, triple and quad configurations.



ULTRA™ SINGLE, the single-that-thinks-it's-a-double: twin blast valves, two Whisper™ burners, double pilot lights and two separate fuel systems powering a single monobloc and a single coil. Need more Power? Just open the Whisper™ valve in addition to the opposite main blast valve and you'll get an 80% boost in power - yet the Ultra™ Single weighs 18 pounds less than a double.

Stratus™

Originally introduced under the Thunder & Colt brand, the Stratus™ has been a proven performer, and a big hit - particularly with ride balloon operators. Your passengers and crew will enjoy the lower radiant heat and quieter operation. You'll enjoy the narrow flame pattern and minimal condensation.

The Stratus™ has all the features you'd expect from a Cameron burner plus toggle style Whisper™ valves and the convenient over-the-bar blast valves which allow comfortable single-hand operation of one or both burners at the same time.

Available in single, double, triple, and quad configurations, the Stratus™ is the perfect burner for any flying style whether you're flying for sport and pleasure or operating a large ride business.

Like the Ultra™ it can be combined with the EasyUp™ or Adjustable burner frames.



With a narrow flame pattern and a very flexible gimbal system, it's easy to direct the flame right where it needs to be. That means fewer repairs and fewer missed flights.

Safire™

What is the Safire™ Burner? Quite simply it's a very powerful, high-flow burner that's designed for large balloons (180 and up). By increasing the amount of heat output with each burn, you'll make shorter and less-frequent blasts, making the flying more enjoyable for passengers, and more responsive for the pilot.

With 1.5x the heat output of traditional burners, in many cases you can fly with a double instead of a triple or a triple instead of a quad. It simplifies fuel management, burner operation, and it even reduces cost too.



With as much power as a conventional triple, the Safire™ double is lighter, simpler to use, and folds flat for easy transportation.



Based on the proven Stratus™ high-flow block, the Safire™ features an inner and outer coil to vaporize the fuel, and an open design to provide the necessary air flow.

Refer to the Technical Specifications document (available on the website) for available configurations and burner weights.

**CAMERON
BALLOONS**

www.cameronballoons.com

Cameron Balloons US



Cameron 11- 15- and 20-gallon tanks are standard with 3-turn valves. Quick-shut-off valves (shown below) are also available. All tanks have protective padded collars.



Connect one tank directly to each burner, or combine several tanks through Cameron's solid precision-machined fuel manifold. This gives you the best flexibility to determine passenger or fuel load - your choice



Tanks

Three sizes of purpose-designed tanks offer you flexibility in your fuel capacity. All Cameron tanks have a full collar design to protect fuel fittings, yet the layout of the controls makes them easy to operate. Plus you can read the gauges from a standing position in the basket. This gives you better information while flying, to make critical decisions based on fuel consumption.

The padded collars not only look great but protect you and your passengers from unnecessary bumps and bruises when you encounter less-than-perfect landing conditions.

Cameron tanks are exactly designed and built from a special Duplex Stainless Steel allowing them to pass even the most stringent cyclical pressure tests. They offer the best strength-to-weight ratio on the market. There is no better tank available for ballooning.



The optional CamVent™ vapor venting system is perfect for those pilots who store their balloon in a trailer. Using a built in quick-release, you can simply connect a clear hose to the "spitter-valve" to divert propane vapor outside the trailer where it can diffuse, instead of dangerously building up inside.

Instruments

Cameron's standard instrument is the well-proven Flytec 3040. This instrument eliminates the thermistor wire from the envelope replacing it with a reliable radio-transmitted temperature signal. The receiving unit can be mounted wherever you choose: on the uprights, on a special bolster-mount, or even on your arm.

Also available is the newer Flytec 6040. The 6040 has all the features of the 3040, plus a built-in GPS to give you realtime speed and direction, a record of wind speed and direction in each altitude layer, and an automatically recorded flight log.



The Flytec 3040 is standard on all models



Also available is the Flytec 6040 with a built in GPS

A padded bolster-mount is available for either Flytec instrument for those who prefer the more traditional instrument location.



All Cameron tanks use hand-tightened hose end fittings - no tools needed. It's an easy connection to make, and a check valve prevents leaks on disconnect should you accidentally leave the hose full of fuel

When making decisions about your next balloon, you should consider more than just the features listed here. Keep in mind the company behind the product. Cameron has unequalled service - knowledgeable people to answer your questions and a full range of parts ready for shipment the same day to where ever you need them. Reliability means reliable today, and reliable for years to come. Remember that real value means lower costs in the long run, not just paying less in the beginning.

Why do we go the extra mile? Quite simply it's because we're balloonists. We love to fly, and we're actively involved in ballooning - above and beyond building balloons. We build the kind of balloons we want to fly. Rugged, reliable, efficient, ergonomic, high performance and beautiful. We also listen to our clients and incorporate their ideas into the products we offer.

So give your local Cameron Representative a call, or contact us at the Cameron factory to see what new and exciting innovations await you. Come join Cameron, the world's largest ballooning family.

Why Not Make Your Next Balloon A Cameron?

**CAMERON
BALLOONS**

The Choice of Experienced Pilots

Cameron Balloons U.S

P.O. Box 3672

Ann Arbor, MI 48106

Phone: 866.423.6178 or 734.426.5525

Fax: 866.423.6179 or 734.426.5026

hotline@cameronballoons.com

www.cameronballoons.com

 Cameron Balloons US